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DOCKET NO. 01-S-017 (STMI01-00017)
SERIAL NO. 09/943,815
PATENTIN THE CLAIMS:

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1. (Original) An apparatus for implementing special mode playback operations in a digital video recorder, the apparatus comprising:

an Intra frame indexing device capable of receiving an incoming MPEG video stream and identifying therein data packets associated with Intra frames, wherein said Intra frame indexing device modifies header information in a first data packet associated with a first Intra frame to include location information identifying a storage address of a second data packet associated with a second Intra frame.

2. (Original) The apparatus as set forth in Claim 1 wherein said second Intra frame chronologically precedes said first Intra frame.

3. (Original) The apparatus as set forth in Claim 1 wherein said second Intra frame chronologically follows said first Intra frame.

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4. (Original) The apparatus as set forth in Claim 1 wherein said location information comprises sequence information identifying a location of a video frame sequence containing said second Intra frame.

5. (Original) The apparatus as set forth in Claim 4 wherein said video frame sequence containing said second Intra frame chronologically precedes a video frame sequence containing said first Intra frame.

6. (Previously Presented) The apparatus as set forth in Claim 4 wherein said video frame sequence containing said second Intra frame chronologically follows a video frame sequence containing said first Intra frame.

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7. (Original) A digital video recorder capable of playing back a recorded television program, said digital video recorder comprising:
- a video processor capable of receiving an incoming television program and converting said incoming television program to a baseband video signal capable of being displayed on a television set coupled to said digital video recorder;
 - a storage disk capable of storing said incoming television program; and
 - an apparatus for implementing special mode playback operations, the apparatus comprising an Intra frame indexing device capable of receiving an incoming MPEG video stream and identifying therein data packets associated with Intra frames, wherein said Intra frame indexing device modifies header information in a first data packet associated with a first Intra frame to include location information identifying a storage address on said storage disk of a second data packet associated with a second Intra frame.
8. (Original) The digital video recorder as set forth in Claim 7 wherein said second Intra frame chronologically precedes said first Intra frame.
9. (Original) The digital video recorder as set forth in Claim 7 wherein said second Intra frame chronologically follows said first Intra frame.

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10. (Original) The digital video recorder as set forth in Claim 7 wherein said location information comprises sequence information identifying a location of a video frame sequence containing said second Intra frame.

11. (Previously Presented) The digital video recorder as set forth in Claim 10 wherein said video frame sequence containing said second Intra frame chronologically precedes a video frame sequence containing said first Intra frame.

12. (Previously Presented) The digital video recorder as set forth in Claim 10 wherein said video frame sequence containing said second Intra frame chronologically follows a video frame sequence containing said first Intra frame.

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13. (Original) A method of indexing Intra frames in an MPEG video stream to enable special mode playback operations in a digital video recorder, the method comprising the steps of:

receiving the MPEG video stream;

identifying in the received MPEG video stream data packets associated with Intra frames; and

modifying header information in a first data packet associated with a first Intra frame to include location information identifying a storage address of a second data packet associated with a second Intra frame.

14. (Original) The method as set forth in Claim 13 wherein said second Intra frame chronologically precedes said first Intra frame.

15. (Original) The method as set forth in Claim 13 wherein said second Intra frame chronologically follows said first Intra frame.

16. (Original) The method as set forth in Claim 13 wherein said location information comprises sequence information identifying a location of a video frame sequence containing said second Intra frame.

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17. (Original) The method as set forth in Claim 16 wherein said video frame sequence containing said second Intra frame chronologically precedes a video frame sequence containing said first Intra frame.

18. (Previously Presented) The method as set forth in Claim 16 wherein said video frame sequence containing said second Intra frame chronologically follows a video frame sequence containing said first Intra frame.

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)